

DATA SCIENCE ROSTOCK

**MAKING SENSE
OUT OF DATA
PROVIDING MEANING
TO MODELS**

**WE ANALYZE DATA AND CREATE
MEANINGFUL MODELS TO IMPROVE
OUR UNDERSTANDING OF HEALTH
AND DISEASE**

OUR EXPERTISE IN DATA & SYSTEMS SCIENCE AT A GLANCE:

- IMAGE ANALYSES AND PATTERN RECOGNITION USING **MACHINE LEARNING**
- SEQUENCE ANALYSIS AND **DEEP LEARNING**
- **OMICS DATA INTEGRATION**
- **WORKFLOW DEVELOPMENT WITH GALAXY**
- NETWORK AND PROCESS ANALYSES WITH **GRAPH AND SYSTEMS THEORY**

**OUR RESEARCH
CONTRIBUTES TO
BETTER DIAGNOSIS,
PROGNOSIS AND
THERAPY**

**#DATA_ANALYTICS #SYSTEMS_MEDICINE #BIOINFORMATICS #SYSTEMS_BIOLOGY
#DATA-DRIVEN_MEDICINE #DIGITAL_HEALTH #DATA_SAVES_LIVES**

WWW.SBI.UNI-ROSTOCK.DE